

REMARKS

This Fourth Supplemental Amendment submits the same claims as the Third Supplemental Amendment of May 9, 2011 with the claims renumbered as Claims 28-31 in accordance with the Examiner's phone call on December 2, 2011.

The Fourth Supplemental Amendment is submitted in place of the Third Supplemental Amendment because of an informality, namely the omission of a claim 28 from the claim sequence.

For clarity Applicants repeat hereafter the previous Remarks as modified to reflect the revised claim numbers.

This Fourth Supplemental Amendment is submitted for consideration of the new claims 28-31. Claims 28-30 were considered by examiner in a telephone interview on April 27, 2011 without resolution. Examiner indicated that the claims should be formally submitted for examination.

It is helpful to recognize that the Claims 28-31 are directed a method and apparatus of operating a computer system controlling a multi-axis machine tool to prevent inadvertent activation (see Par 0025 et seq.).

The computer system has

- a memory and data processing unit (see Par. 0023);
- and/or an encoding (or encryption) module (see Par 0024) that can be read by a reader (see Par. 0024) and stores a sender decryption key and a sender identification, and a machine tool encryption key (see Fig 1).

The computer system generates a data carrier or an electronic carrier signal with encrypted machine tool control parameters that are send to and read by the multi-axis machine tool to perform machining operations (see Par. 0023).

The multi-axis machine tool has
a memory (see Par. 0024);
and/or a decryption module(see Par 0024) that can be read by a reader
and stores a machine tool decryption key, a sender encryption key and a sender
identification (see Fig 1); and
an improper activation safety (software) module that decodes the machine
control parameters (see Par 0010).

Thus the multi-axis machine tool reads asymmetrically encrypted machine
control parameters (see Par 0013) from the data carrier signal generated by the
computer system (see Pars 0023 and 0010) to perform machining operations.

The purpose of the encryption and decryption modules is to ensure that
the multi-axis machine tool is the machine tool for which the control parameters
are intended, and the computer system is the correct computer system intended
to generate the control parameters for the multi-axis machine tool.

Favorable consideration is requested.

Applicants believe that no fees are due in connection with this Fourth
Supplemental Amendment and Response; however, if any fees are deemed
necessary, please charge them to Deposit Account 13-0235.

Respectfully submitted,

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